## WHAT IS CLAIMED IS:

1. A resistance welding method for bonding a lead wire and a metal member to each other by resistance welding, comprising the steps of:

pressing the lead wire which is clamped by a first welding electrode so as to be in contact with the metal member;

providing a plurality of second welding electrodes; and
passing currents through the plurality of second welding
electrodes in contact with the metal member from the first welding electrode
via the lead wire and the metal member.

2. The resistance welding method according to Claim 1, further comprising the steps of:

measuring a current flowing through each of the plurality of second welding electrodes; and

determining whether a bonding strength is satisfactory or not on the basis of the measured currents.

- 3. The resistance welding method according to Claim 1, wherein in the step of passing current through the plurality of second welding electrodes, each of the plurality of second welding electrodes are biased upward and into contact with the metal member by springs.
- 4. The resistance welding method according to Claim 1, wherein the current passed through the plurality of second welding electrodes is provided via a direct-current power source.

- 5. A resistance welding apparatus, comprising:

  a welding power source;

  a first welding electrode for clamping a lead wire; and

  a plurality of second welding electrodes; wherein

  the first welding electrode and the second welding electrodes are

  connected to the welding power source, and by passing currents through the

  second welding electrodes from the first welding electrode via the lead wire

  and a metal member, the lead wire and the metal member are bonded to each

  other via resistance welding.
- 6. The resistance welding apparatus according to Claim 5, further comprising a device for measuring a current flowing through each of the plurality of second welding electrodes.
- 7. The resistance welding apparatus according to Claim 5, further comprising an inspection lead-wire chuck for checking a bonding strength between the lead wire and the metal member by clamping and pulling the lead wire.
- 8. The resistance welding apparatus according to Claim 5, further comprising springs for biasing the plurality of second welding electrodes upward.
- 9. The resistance welding apparatus according to Claim 5, wherein the welding power source is a direct-current power source.

- 10. The resistance welding apparatus according to Claim 6, wherein said device for measuring a current flowing through each of the plurality of second welding electrodes includes current sensors.
- 11. The resistance welding apparatus according to Claim 6, further comprising a determination unit for computing a difference between the currents flowing through each of the plurality of second welding electrodes.
- 12. A method for manufacturing an electronic component, comprising the step of bonding a lead wire to a metal member disposed in a main body of the electronic component by resistance welding; wherein the lead wire is bonded to the metal member using the resistance welding method set forth in Claim 1.
- 13. A method for manufacturing an electronic component, comprising the step of bonding a lead wire to a metal member disposed in a main body of the electronic component by resistance welding; wherein the lead wire is bonded to the metal member using the resistance welding apparatus set forth in Claim 5.